

Amendments to the Claims

The following listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Previously Amended) A communications system comprising:
 - a network;
 - a plurality of applications connected to said network, each of said applications handling a different type of communication and storing information concerning incoming communications directed to users of said communications system; and

b \ at least one computer connected to said network and receiving said incoming communications information from selected applications, said at least one computer including a display and a processor executing a view application, said view application processing said incoming communications information and generating a three-dimensional representation thereof for presentation on said display, wherein said three-dimensional representation is a graphical representation including first, second and third generally orthogonal axes, said first axis denoting different types of incoming communications, said second axis denoting numbers of incoming communications and said third axis denoting categories of incoming

communications within said different types, objects representing different types and categories of incoming communications appearing on said graphical representation.

2. Previously Cancelled

3. Previously Cancelled

4. (Previously Amended) A communications system according to claim 1 wherein the sizes of said objects represent the numbers of incoming communications.

5. (Previously Amended) A communications system according to claim 4 wherein said objects appear on said graphical representation at spaced locations.

6. (Previously Amended) A communications system according to claim 1 wherein said first axis is an x-axis, said second axis is a y-axis and said third axis is a z-axis, each object being in the form of a rectangle and including an associated numerical value indicating the number of incoming communications said object represents.

7. (Previously Amended) A communications system according to claim 6 wherein at least some of said objects are subdivided to categorize incoming communications into read and unread incoming communications.

8. Cancelled

9. Cancelled

10. (Currently Amended) A communications system according to claim 9 28 wherein said view application is linked to at least one of an e-mail, facsimile and Internet application on said at least one computer, objects representing different types of incoming communications corresponding to said at least one of the e-mail, facsimile and Internet application being selectable to invoke the at least one application.

11. (Previously Amended) A communications system according to claim 10 wherein each of said applications is run on a server connected to said network, each server also running an applications program interface to act between said application and said view application.

12. (Previously Amended) A communications system according to claim 11 wherein said view application uses remote procedure calls to establish connections to said applications through said applications program interfaces and gather said incoming communications information.

13. (Previously Amended) A communications system according to claim 10 wherein said view application presents said three-dimensional graphical representation in a window on said display, when said window is reduced, said view application presenting an icon representing said window on said display, said icon providing a visual indication of the total number of outstanding incoming communications of all types directed to said user.

14. (Previously Amended) A communications system according to claim 5 wherein said view application is configurable by a user to determine said selected applications and categories of incoming communications within said different types.

15. (Previously Amended) In a communications system including a network; a plurality of applications connected to said network, each of said applications handling a different type of communication and storing information concerning

incoming communications directed to users of said communications system; and a plurality of computers connected to said network and receiving said incoming communications information from selected applications, each of said computers including a display and a processor, the improvement comprising:

a view application executed by each of said computers and requesting status information from selected applications concerning incoming communications handled thereby that are directed to a user of said communications system, said view application processing status information received from said selected applications and generating a three-dimensional representation thereof for presentation on said display, wherein said three-dimensional representation is a graphical representation including first, second and third generally orthogonal axes, said first axis denoting different types of incoming communications, said second axis denoting numbers of incoming communications and said third axis denoting categories of incoming communications within said different types, objects representing different types and categories of incoming communications appearing on said graphical representation.

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16. (Previously Amended) In a communications system including separate applications to handle different types of communications and to receive incoming communications directed to users of said communication system, said applications

being interconnected by a network, a method of presenting status information concerning incoming communications handled by separate applications that are directed to a specific user comprising the steps of:

sending a request over said network to selected applications for status information relating to incoming communications directed to said specific user;

processing status information received from said selected applications to generate a three-dimensional graphical representation of said status information including three generally orthogonal axes, a first axis denoting different types of incoming communications, a second axis denoting numbers of incoming communications and a third axis denoting categories of incoming communications
b1 within said different types, status information received from each application being separately depicted in said three-dimensional graphical representation as objects representing different types and categories of incoming communications; and presenting said three-dimensional graphical representation on a display.

17. (Previously Added) The method of claim 16 further comprising the step of adjusting the size of said objects to reflect the numbers of incoming communications.

18. (Previously Added) The method of claim 17 further comprising the step of subdividing said objects to categorize incoming communications into read and unread incoming communications.

19. (Previously Added) The method of claim 18 wherein the different types of incoming communications include two or more of e-mail messages, voice-mail messages, facsimile messages and Internet messages.

20. (Currently Amended) A graphical user interface view application program executable by a computer for displaying different types of incoming communications, said graphical user interface view application program comprising:

computer program code for causing said computer to display a window for display on a computer monitor of said computer; and
computer program code for causing said computer to display a user defined landscape within said window, said landscape being in the form of a graph presenting objects representing said different types of incoming communications, said graph including first, second and third generally orthogonal axes, a first axis denoting different types of incoming communications, a second axis denoting

numbers of incoming communications and a third axis denoting categories of incoming communications within said different types.

21. (Currently Amended) A ~~graphical user interface~~ view application program according to claim 20 wherein the sizes of said objects represent the numbers of incoming communications.

22. (Currently Amended) A ~~graphical user interface~~ view application program according to claim 21 wherein said objects appear on said graph at spaced locations.

23. (Currently Amended) A ~~graphical user interface~~ view application program according to claim 21 wherein said first axis is an x-axis, said second axis is a y-axis and said third axis is a z-axis, each object being in the form of a rectangle and including an associated numerical value indicating the number of incoming communications said object represents.

24. (Currently Amended) A ~~graphical user interface~~ view application program according to claim 22 wherein at least some of said objects are subdivided to categorize incoming communications into read and unread incoming communications.

25. (Currently Amended) A ~~graphical user interface~~ view application program according to claim 20 wherein said different types of incoming communications include two or more of e-mail messages, voice-mail messages, facsimile messages and Internet messages.

26. (Currently Amended) A ~~graphical user interface~~ view application program according to claim 24 wherein said landscape is configurable by a user to determine said selected applications and categories of incoming communications within said different types.

27. (New) A communications system comprising:
a network;
a plurality of applications connected to said network, each of said applications handling a different type of communication and storing information concerning incoming communications directed to users of said communications system; and

at least one computer connected to said network and receiving said incoming communications information from selected applications, said at least one computer including a display and a processor executing a view application, said

view application processing said incoming communications information and generating a three-dimensional representation thereof for presentation on said display, wherein said three-dimensional representation is a graphical representation including first, second and third generally orthogonal axes, said first axis denoting different types of incoming communications, said second axis denoting numbers of incoming communications and said third axis denoting categories of incoming communications within said different types, objects representing different types and categories of incoming communications appearing on said graphical representation, at least some of said objects being subdivided to categorize incoming communications into read and unread incoming communications.

28. (New) A communications system comprising:

a network;
a plurality of applications connected to said network, each of said applications handling a different type of communication and storing information concerning incoming communications directed to users of said communications system; and

at least one computer connected to said network and receiving said incoming communications information from selected applications, said at least one computer including a display and a processor executing a view application, said

view application processing said incoming communications information and generating a three-dimensional representation thereof for presentation on said display, wherein said three-dimensional representation is a graphical representation including first, second and third generally orthogonal axes, said first axis denoting different types of incoming communications, said different types of incoming communications including two or more of e-mail messages, voice-mail messages, facsimile messages, telephone calls and Internet messages, said second axis denoting numbers of incoming communications and said third axis denoting categories of incoming communications within said different types, objects representing different types and categories of incoming communications appearing on said graphical representation, wherein said e-mail messages are categorized along said third axis based on priority, wherein voice-mail and telephone calls are categorized along said third axis based on whether the voice-mails and telephone calls originated from internal or external callers and wherein Internet messages are categorized along said third axis based on subject matter.

29. (New) In a communications system including separate applications to handle different types of communications and to receive incoming communications directed to users of said communication system, said applications being interconnected by a network, a method of presenting status information concerning

incoming communications handled by separate applications that are directed to a specific user comprising the steps of:

sending a request over said network to selected applications for status information relating to incoming communications directed to said specific user;

processing status information received from said selected applications to generate a three-dimensional graphical representation of said status information including three generally orthogonal axes, a first axis denoting different types of incoming communications, a second axis denoting numbers of incoming communications and a third axis denoting categories of incoming communications within said different types, status information received from each application being separately depicted in said three-dimensional graphical representation as objects representing different types and categories of incoming communications;

subdividing said objects to categorize incoming communications into read and unread incoming communications; and

presenting said three-dimensional graphical representation on a display.

30. (New) The method of claim 29 wherein the different types of incoming communications include two or more of e-mail messages, voice-mail messages, facsimile messages and Internet messages.